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Dated: 7/19/04 Signature: Susan B. Jensen
(Susan B. Jensen)

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Docket No.: 54357-00004USPT
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Pamela Szabo, et al.

Application No.: 10/044611 Art Unit: 2124

Filed: July 2, 2002 Examiner: John Q. Chavis

For: INTEGRATION INTEGRITY MANAGER

DECLARATION OF INVENTORS UNDER 37 CFR 1.131

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

We, Pamela Szabo, Daquer Reveron, and Anjaneyullu Tamma hereby declare:

1. We are the inventors named on U.S. Patent Application No. 10/044611 ("the present application"), entitled Integration Integrity Manager, filed on January 11, 2002.

2. We conceived of the subject matter claimed in claims 1-45 of the present application before the filing date of U.S. Published Application No. 2003/0046681 ("Barturen et al."), as shown by the notes attached hereto in Appendix A, which are dated prior to the August 30, 2001, filing date of Barturen et al.

3. Specifically, the notes in Appendix A describe a method and system for ensuring the integration integrity of various and disparate applications across an enterprise by detecting changes in the applications and the data used by the applications, and notifying the people, processes, and systems that are affected by the changes.

4. We were continuously employed by Stone Bond Technologies, assignee of the present application, from before the August 30, 2001, filing date of Barturen et al. until after the January 11, 2002, filing date of the present application.

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5. From before August 30, 2001, we worked diligently with attorneys at the law firm of Jenkens & Gilchrist, P.C. to prepare the present application and to file same on January 11, 2002, thereby constructively reducing the invention to practice.

6. We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Pamela Szabo — Date: 7/13/2004

Daquer Reveron — Date: 7/13/2004

Anjaneyullu Tamma — Date: 07/13/2004

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APPENDIX A

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Call Daguerre re external apps

Network Analysis

OBJECTS INVOLVED

- TEMPLATES - S + D
- MAPS
- FILTERS
- EQUATIONS
- BUS RULES
- SCHEDULES
- SOURCE OF RECORD

(would like to manage)

Framework for Metadata

AND

→ EXTERNAL APPS (HOW? —)

- WE HAVE Registered owners for apps
- We know expected schema ⇒ could poll for same schema.

Good enough?? -

WE'VE LOST CONTROL BY THIS TIME — CHANGE HAS HAPPENED OUTSIDE OF EE.

"FIRE-FIGHTING MODE"

→ BETTER THAN NOTHING

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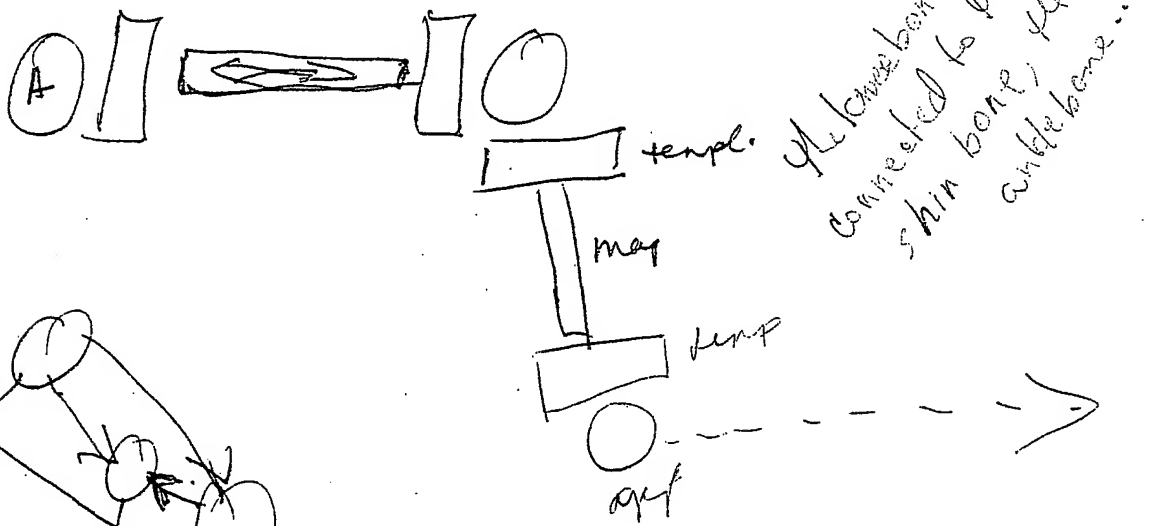
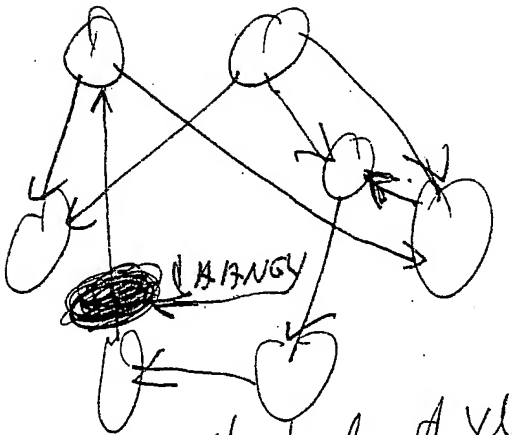
(Bus Value)

→ Picture IT dept with lots of people with interfaces...
Could have disastrous implications "downstream."
⇒ Can't leave it to humans to ~~SOLVE THIS~~ FOLLOW THROUGH
TO ANALYZE POTENTIAL IMPACT...

[GOOD CANDIDATE FOR BPR]
NO, MAYBE NOT, - NEED BETTER ACCESS
TO INFO AND BETTER CONTROL POINTS.

Consider our view thoughts





If you think about the full complex interconnectivity, one change could cause a horrible domino effect → systems crash or BAD DATA ⇒ BAD DECISIONS.

WITH OUR GUI, we have VISIBILITY to changes

IIP - INTEGRATION INTEGRITY PROCESS

From Mike w Queues

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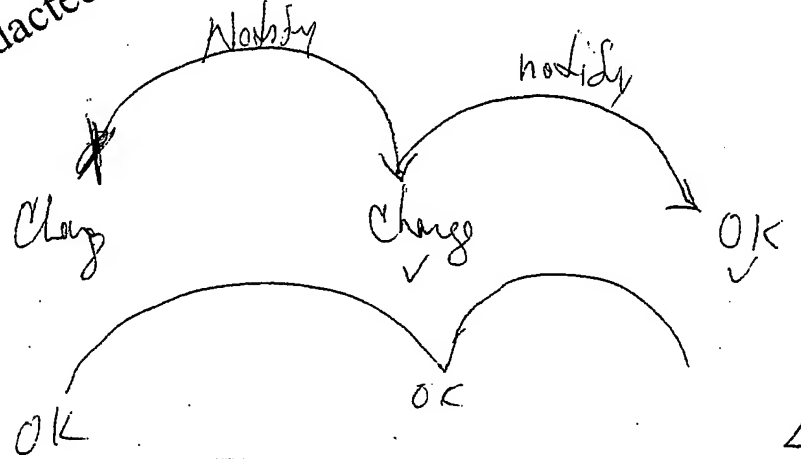
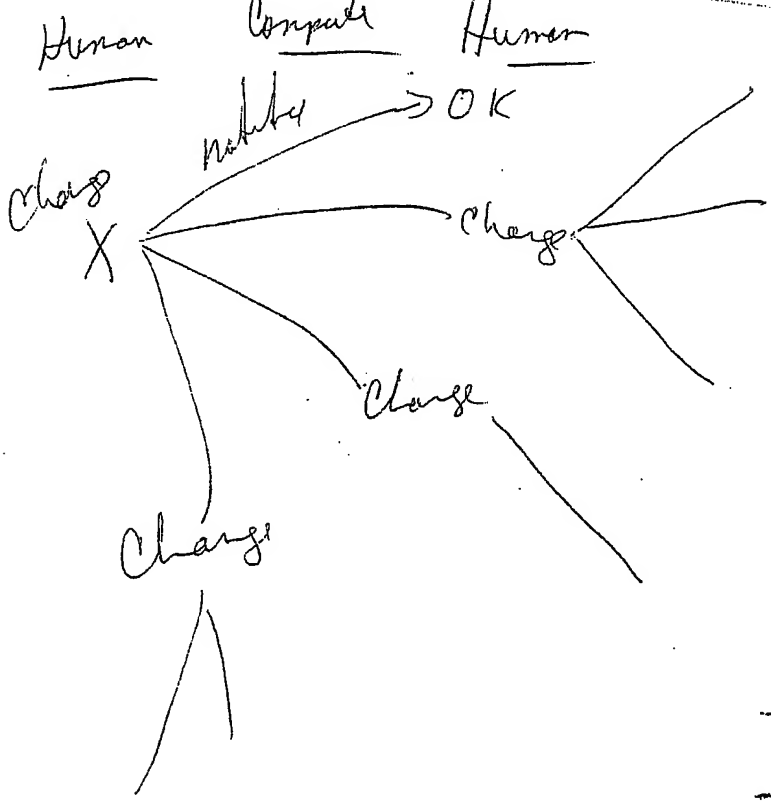


looks Recursive



Needs to be simplified via Recursion ⇒ straightforward

- identify change
- check for visibility of impacted objects
- ~~affected objects~~ (or notify owners)
- owner checks, and makes change [recursive] or OK's with [end point for roll back]

So if you change, say, a field name in a template, that could mess up ~~for~~ someone else if the template is being used somewhere else also. And the Map that is connected — [maybe the map for not all maps connected] would not use that field. —

User view:

I built a template & a map that used that template, and it is in production; ~~and~~ daily ~~feeds~~ data every day. I pull up the template & make the change (eg field new). It should & let me save it unless everything is OK. ⟹ Need to increase the network of connectivity to see if there's anything affected

NO — proceed

YES → → Cannot fix what's impacted ??? We could notify owner, at least.

Redacted

First thoughts of the New Year

Consider the aspect that we have visibility through the GUI. Since everything is built + managed through a GUI, we have visibility to all data that is moved through the environment, who accesses what through, when it moves, whether it successfully moves, whether it is correct data or not, who changes what, etc.

So we need GREAT MONITORING CONSOLES....

WHAT BUSINESS VALUE DOES this bring?

a view of all data used more than once

? So?

People interactions with ~~Every~~ aspect...

⇒ security / audit trails

? So?

Successful data movement / errors along the way. [as opposed to data cleaning & correctness of the data] - remember we are dealing with metadata. Everything else is ephemeral

Rapid changing things in system

⇒ People make mistakes - can we prevent that? What about even knowing what a change will lead to other things

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What about GUI for IT?

We can email them (part of user info in security section)
Need to know what I own that could be impacted.
How do I know if I have to do anything?
What if I don't do anything?
[we need override for some super administrator]

What info could we give?
- What changed
- Who owns it [this phone/email will be registered in User list]
- what object of mine is in question

Probably went some kind of dashboard that shows the whole network and what is involved.
What level of detail can we show?

Need to make sure we don't just present anything that touches in the network -

We know the metadata down to a pretty detailed level, so we could ACTUALLY give

- OBJECT (version #)
- TABLE, FIELD, ATTRIB
- WHAT IT WAS, WHAT IT CHANGED?
- .
- .

If we have a GUI representation, could see the whole network of connection & drill down to highlighted objects & see ownership + detail.

Lets try a couple of prototypes — TAMMA / DAQUER — when we can get to it.

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